## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

1FWP 6/14/06

ENTERED



**IFWP** 

RAW SEQUENCE LISTING DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Sog listing.app

Output Set: N:\CRF4\06142006\J581702.raw

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3 <110> APPLICANT: Corfe and Chirakkal
     5 <120> TITLE OF INVENTION: Gene Screen
     7 <130> FILE REFERENCE: 75901-01
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/581,702
C--> 9 <141> CURRENT FILING DATE: 2006-06-02
     9 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/005078
     10 <151> PRIOR FILING DATE: 2004-12-03
     12 <150> PRIOR APPLICATION NUMBER: 0328048.4
     13 <151> PRIOR FILING DATE: 2003-12-04
     15 <160> NUMBER OF SEQ ID NOS: 202
     17 <170> SOFTWARE: PatentIn version 3.1
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     20 <211> LENGTH: 1320
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     24 <400> SEQUENCE: 1
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(pg.6)

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73 <213> ORGANISM: Homo sapiens

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/581,702

DATE: 06/14/2006 TIME: 10:47:46

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Output Set: W:\CRF4\06142006\J581702.raw

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80	tgcccaatgc	caccctaaca	ccagtgtctc	gtgaggaggc	tttggcatta	atgaatcgga	180
82	atctggacat	tttggaagga	gcgatcacat	cagcagcaga	tcagggtgcg	catattattg	240
					ggactctctc		300
					taataatcgt		360
		_			gaaçaaçtçt		420
	- ·				tcctcagtgt		480
					aggaaaactg		540
				_	tgtacccaag		600
	_				cacatgcttt		660
					ggacaccata	-	720
	_					gcttgggcta	780
			_			aaaatgacag	840
			-			aagacagaag	900
		-				gtggtgaact	960
		_				tttaaaggca	1020
						aattatacag	1080
	_					ataccaaatg	1140
						tattatctac	1200
						gactcagctg	1260
						acccagtatg	1320
	_					caggtgtcaa	1380
	_					gtaactctgt	1440
					-	acagcacaag	1500
						tggtagaata	1560
	-	-			_	aaaagaaaga	1620
	-					tttatttaga	1680
						tagattttat	1740
		_				atcaaataag	1800
						aagaactatc	1860
						acgtatcact	1920
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						gagtagggca	2160
						ttacaagcta	2220
						acttccagcc	2280
						gtactttgtt	2340
			_	_		cactactgtt	2400
						cagctggtct	2460
						tgatagtgaa	2520
		-				tttaagaaat	2580
	_					cttgacatta	2640
	•	_			_	tgatagactc	2700
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DATE: 06/14/2006 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : B:\Seq listing.app
Output Set: N:\CRF4\06142006\J581702.raw

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	-		cctattctcc				180
			cgggtccccg				240
			acagtccact				300
			acaacacaga				360
			tctcagtgta				420
			tgaaggctta				480
			aggaagaaca				540
			tgatgtgaat				600
			nacccagtgg				6.60
			tgttgttttg				720
			aaatggaggc				780
						aacatacagg	840
			aagttggtca				900
217	aatttcttag	gaacgattta	tgaaaattca	tccaqacaqq	cactaatqaa	cattttqaaa	960
			ttgttgggtt				1020
			ttaccaagat				1080
			atgctatcga				1140
			gacagetgge				1200
			gtccatgggt				1260
			aaaagagaaa				1320
231	agaaaaatgt	tacttcagtg	gtatcagcac	ttcaagacag	agcttaaaat	gaaatttact	1380
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246	aactttaccg	cgaagccccc	agcctcagag	tcccctcgtt	tctccttgga	ggcgctgacg	120
248	ggtccagata	cggagctgtg	gcttattcag	gcccctgcag	actttgcccc	agaatgcttc	180
250	aatgggcggc	.atgtgcctct.	.ctctggctcc.	cagatcgtca	agggcaaatt	ggcaggcaag	240
252	cggcaccgct	atcgagtcct	cagcagctgt	ccccaagctg	gagaagcgac	cctgctggcc	300
254	ccctcaacgg	aggcaggagg	tggactcacc	tgtgcctcag	cccccaggg	caccctaagg	360
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			tggcctgagg				480
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264	ctggaggtgg	acatggcttt	ggggtcgcca	gaaatggatg	tgcggaagaa	gaagaagaaa	660

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Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

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                                                                              780
                                                                              840
     270 aaagggaaag aaaccttcga gccagaagac aagacagtga agcaggaaca gattaacact
                                                                              900
     272 gagcctctag aagacacagt cctgtccccg accaaaaaga gaaagaggca aaaggggacg
     274 gaagggatgg agccagagga gggggtgaca gttgagtctc agccacaggt gaaggtggag
                                                                              960
     276 ccactggagg aagccatccc tctgccccct acgaagaaga ggaaaaaaga aaagggacag
                                                                             1020
   278. atggcaatga tggagccagg gacggaggcg atggagccag tggagccgga gatgaagcct
                                                                             1080
                                                                             1140
     280 ctggagtece caggggggae catggegeet caacagecag aaggagegaa geetcaggee
                                                                             1200
     282 caggcagete tggcagetee caaaaagaag acgaagaaag aaaaacagca agatgccaca
                                                                             1260
     284 gtggagccag agacagaggt ggtggggcct gagctgccgg atgaccttga gcctcaggca
                                                                             1320
     286 gctcccacat ccaccaagaa gaagaagaag aagaaagaga gaggtcacac agtgactgag
     288 ccaattcagc cactagagcc tgaactgcca ggggagggac agcctgaagc cagggcaact
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                                                                             1440
     290 ccgggatcca ccaagaagag gaagaagcag agtcaggaaa gccggatgcc agagacagtg
     292 ccccaagagg agatgccagg gccgccactg aattcagagt ctggggagga ggctcccaca
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     294 ggccgggaca agaagcggaa gcagcagcag cagcagcctg tgtagtctgc ccccgggaaa
     296 ctgaggaact aaagaaagct gaaggtgccc acctgggcca ccagaaggtg acacccccag
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     298 aatcoctocc cagagactgc accagogcag ccagcaggag cctggcctgg gaggacgatt
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     300 tattattaca ctgggggttt ccttggcagc tggggtcatc agggtacttt caagaagggc
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     317 agectgggac agacetgegt getgategtg atetteacag tgeteetgea gtetetetgt
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     319 gtggctgtaa cttacgtgta ctttaccaac gagctgaagc agatgcagga caagtactcc
                                                                              240
                                                                              300
     321 aaaagtggca ttgcttgttt cttaaaagaa gatgacagtt attgggaccc caatgacgaa
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     323 gagagtatga acageceetg etggeaagte aagtggeaac teegteaget egttagaaag
                                                                              420
     325 atgattttga gaacctctga ggaaaccatt tctacagttc aagaaaagca acaaaatatt
     327 teteceetag tgagagaaag aggteeteag agagtageag eteacataae tgggaceaga
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                                                                              540
     329 ggaagaagca acacattgtc ttctccaaac tccaagaatg aaaaggctct gggccgcaaa
                                                                              600
     331 ataaactcct gggaatcatc aaggagtggg cattcattcc tgagcaactt gcacttgagg
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     333 aatggtgaac tggtcatcca tgaaaaaggg ttttactaca tctattccca aacatacttt
     335 cgatttcagg aggaaataaa agaaaacaca aagaacgaca aacaaatggt ccaatatatt
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     337 tacaaataca caagttatcc tgaccctata ttgttgatga aaagtgctag aaatagttgt
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     339 tggtctaaag atgcagaata tggactctat tecatctate aagggggaat atttgagctt
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     341 aaggaaaatg acagaatttt tgtttctgta acaaatgagc acttgataga catggaccat
     343 gaagccagtt ttttcggggc ctttttagtt ggctaactga cctggaaaga aaaagcaata
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RAW SEQUENCE LISTING

DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

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Output Set: N:\CRF4\06142006\J581702.raw

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362	atggagagcc	agaggcccca	cagcctgcta	aagcgagcag	tcctcagggt	tttgatgtgg	240	
364	atcgagatgc	caaaaagctg	aacaaagcct	gcaaaggaat	ggggaccaat	gaagcagcca	300	
366	tcattgaaat	cttatcgggc	aggacatcag	atgagaggca	acaaatcaag	caaaagtaca	360	
368	aggcaacgta	cggcaaggag	ctggaggaag	tactcaagag	tgagctgagt	ggaaacttcg	420	
	1					cagetgeaga	480	
372	aggctatgaa	gggtctgggc	acagatgagt	ccgtcctcat	tgaggtcctg	tgcacgagga	540	
374	ccaataagga	aatcatcgcc	attaaagagg	cctaccaaag	gctatttgat	aggagcctcg	600	
376	aatcagatgt	caaaggtgat	acaagtggaa	acctaaaaaa	aatcctggtg	tetetgetge	660	
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380	atctgtatga	tgcaggggaa	ggccgctggg	gcactgatga	gcttgcgttc	aatgaagtcc	780	
382	tggccaagag.	gagctacaag	cagttacgag	ccacctttca	agcctatcaa	attctcattg	840	
384	gcaaagacat	agaagaagcc	attgaagaag	aaacatcagg	cgacttgcag	aaggcctatt	900	
386	taactctcgt	gagatgtgcc	caggattgtg	aggactattt	tgctgaacgt	ctgtacaagt	960	
388	cgatgaaggg	tgcggggacc	gatgaggaga	cgttgattcg	catagtcgtg	accagggccg	1020	
390	aggtggacct	tcaggggatc	aaagcaaagt	tccaagagaa	gtatcagaag	tctctctctg	1080	
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404	actatgcatt	tgtaatggca	catttagaag	gatatgcatc	acacaagtaa	ggtacaggaa	1500	
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			gcagcttcaa				240	
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448	agggactacg	cttcagagag	ccccgctgac	gaagaggagc	agtggtccga	tgactttgac	360	

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:47

Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:33; N Pos. 57,58,59,60,61
                                             erit it jedro b<sup>ro</sup>tili i i
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Seq#:34; N Pos. 1533,1534
Seq#:57; N Pos. 57,58,59,60,61
Seq#:69; N Pos. 38,506,536,566
Seq#:81; N Pos. 7240
Seq#:82; N Pos. 1,139,272,274,389,397
Seq#:89; N Pos. 500,885,1090,1098,1127,1130,1150
Seq#:91; N Pos. 510
Seq#:97; N Pos. 422,429,431,435,447,468,477
Seg#:116; N Pos. 32,138,146,212,233,239,310,312,328
Seg#:123; N Pos. 422,429,431,435,447,468,477
Seq#:132; N Pos. 593
Seg#:145; N Pos. 2,7,22,37,217,246,332,415,418,422,427,431,433,451,452,454
Seq#:145; N. Pos. 456,465,469,472,491,504,505,508,531,524,525.543,546,558
Seq#:145; N Pos. 559,560,572,576,581,582,590,595,600,601,603,606,612,621
Seq#:145; N Pos. 628,632,652
Seq#:155; N Pos. 340,366,384,394,410,419
Seq#:157; N Pos. 459
Seq#:158; N Pos. 362
Seg#:159; N Pos. 945
Seq#:181; N Pos. 465,510,522,559
Seq#:183; N Pos. 543,580,584,604,608,615,636,640,646,697,926
Seq#:193; N Pos. 4125,4197,4198,4199,4200,4211,4234,4235,4236,4238,11593
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## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/581,702

DATE: 06/14/2006 TIME: 10:47:47

Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

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L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:2357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:2484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1500
L:4723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:4725 M:341 W: (45) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60
L:5561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
L:5577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:480
L:5579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:540
L:6687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:7200
L:6892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:6896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:120
L:6900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:240
L:6904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:360
L:7357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:480
L:7369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:840
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L:7379 M:341 W: (46) / 47" or "Xaa" used, for SEQ ID#:89 after pos.:1140 ///
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L:7809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:420
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L:9226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:180
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L:9869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:420
L:10510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:540
L:11549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0
L:11555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:180
L:11557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:240
L:11559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:300
L:11561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:360
L:11563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:420
L:11563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:420
L:11565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:480
L:11567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:540
L:11569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:600
L:12205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:300
L:12207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:360
L:12287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:420
L:12316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:360
L:12389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:900
L:13793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:420
L:13795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:480
L:13797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:540
L:13963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:540
L:13965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:600
L:13967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:660
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L:13975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:900

VERIFICATION SUMMARY

DATE: 06/14/2006

PATENT APPLICATION: US/10/581,702

TIME: 10:47:47

. . Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

L:14803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4080 L:14805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4140 L:14807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4200 L:15053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11580 L:15063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11880 L:15131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:13920 L:15313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:420 L:15315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:480 L:15317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:540

VERIFICATION SUMMARY

DATE: 06/14/2006

PATENT APPLICATION: US/10/581,702

TIME: 10:47:47

. . . Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

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L:14803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4080 L:14805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4140 L:14807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4200 L:15053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11580 L:15063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11880 L:15131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:13920 L:15313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:13920
L:15313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:420
L:15315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:480
L:15317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:540
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